

Appendix 1: ICD and ATC codes used to define diagnostic groups and medication use.

Diagnostic groups:

Diverticular disease of the colon with perforation (cohort defining variable):

ICD-8: 562.12; ICD-10: K57.2, K57.4

Diverticular disease of the colon without perforation:

ICD-8: 562.10, 562.11, 562.18; ICD-10: K57.3, K57.5

Alcoholism-related diseases other than those affecting the liver or pancreas:

ICD-8: 291, 303, 456, 980; ICD-10: F10, G31.2, G62.1, G72.1, I42.6, I85, K29.2, R78.0, T51.0, T51.9, Z72.1; ATC: N07BB

Ankylosing spondylitis:

ICD-8: 712.49; ICD-10: M45, H221B

COPD, chronic bronchitis, emphysema, and asthma:

ICD-8: 490-493; ICD-10: J40-J46; ATC: R03

Hypertension:

ICD-8: 400-404; ICD-10: I10- I13; ATC: C02

Inflammatory bowel disease:

ICD-8: 563; ICD10: K50, K51

Juvenile rheumatoid arthritis:

ICD-8: 712.09; ICD-10: M08

Liver disease or chronic pancreatitis:

ICD-8: 570-573, 577.10, 577.11, 577.19; ICD-10: K70-K76, B18, K86.0, K86.1

Malignancies:

ICD-8: 140-209; ICD-10: C00-C97

Mixed connective tissue disease:

ICD-8: 734.91; ICD-10: M35.1

Polymyositis/dermatomyositis:

ICD-8: 716.09, 716.19; ICD-10: M33

Psoriatic arthritis:

ICD-8: 696.09; ICD-10: M07.0-M07.3

Rheumatoid arthritis:

ICD-8: 712.19, 712.29, 712.39, 712.59; ICD-10: M05, M06, G73.7D, I32.8A, I39.8E, I41.8A, I52.8A

Sarcoidosis:

ICD-8: 135.99; ICD-10: D86, G53.2, H22.1A, I41.8B, K77.8B, M63.3

Sjögren's syndrome:

ICD-8: 734.90; ICD-10: M35.0, G73.7A, N16.4A

Systemic- and subacute cutaneous lupus erythematosus:

ICD-8: 734.19; ICD-10: M32, G05.8A, G73.7C, I32.8B, I39.8C, L93.1, L93.2, N08.5A, N16.4B

Systemic scleroderma:

ICD-8: 734.00-734.09; ICD-10: M34.0-34.9

Vasculitis syndromes including polymyalgia rheumatica:

ICD-8: 287.09, 446.09-446.99; ICD-10: D69.0B, I77.6, L95, M30-M31, M35.3, M35.6, M79.3, N08.5B-N08.5E

Systemic glucocorticoids: ATC: H02AB

Betamethasone: ATC: H02AB01

Hydrocortisone: ATC: H02AB09

Methylprednisolone: ATC: H02AB04

Prednisolone: ATC: H02AB06

Prednisone: ATC: H02AB07

Triamcinolone: ATC: H02AB08

Inhaled glucocorticoids:

Beclomethasone: ATC: R03BA01

Budesonide: ATC: R03BA02

Flunisolide: ATC: R03BA03

Fluticasone: ATC: R03BA05

Mometasone: ATC: R03BA07

Glucocorticosteroids acting on the intestine:

Budesonide: ATC: A07EA06
Hydrocortisone: ATC: A07EA02
Prednisolone: ATC: A07EA01
Various local glucocorticoids for hemorrhoids: ATC: C05AA

Appendix 2: Surgical codes of procedures related to diverticular perforation.

1. Explorative surgery including lavage: KJAH, KJAK (and not included in the two groups below)
2. Stoma with or without resection: KJFB60, KJFB61, KJFB63, KJFB64, KJFF, KJFH10, KJFH11, KJFH20, KJFH21, KJFH33, KJFH34, KJFH40, KJGB10, KJGB11, KJGB30-40
3. Resections with primary anastomosis: KJFB excluding KJFB60, KJFB61, KJFB63, KJFB64 and without concurrent KJFF-codes; KJFH00; KJFH01; KJFH30; KJFH31; KJGB01; KJGB20; KJGB50